

← S/S Jaw x Jaw 3/4-inch high strength swivel.

← 3-inch high serial numbers are standard

→ The 7 foot spar buoy will float 18 inches to 24 inches above the water line.

← 6-inches

2-ft

8-ft

5-ft

ELASTIC MOORING DETAILS and BASIC USE GUIDE

THIS IS A HIGH SECURITY*, LOW MAINTENANCE CONSERVATION MOORING SYSTEM



Chatham, MA approved the elastic mooring system in 2006 and has six systems in use by the town for three years.
In October 2007, Chatham installed three super elastic mooring systems for 100 ft ships in addition to the six already in use.
Boston area has sixteen transient conservation elastic mooring systems in use for two years.
Marion, MA has two elastic conservation mooring systems in use for four years with excellent results.
Jamestown, RI encourages the use of elastic mooring systems because of superior technology and conservation.

← There is a line through the center of the spar buoy to connect the top 3/4-inch swivel to the elastic rode assembly. This line has a tensile strength between 24,000-lb and 62,000-lb.

← Galvanized hardware is standard

This drawing shows the basic elastic mooring system.
These Elastic mooring systems can be installed in maximum high water (MHW) depth of 17 ft and 1:1 scope. Extra line can be rigged into this system for water depths to 30 feet.
1.5:1 scope in water depths 31 feet to 50 feet and tides to 12 feet.
Basic installation guidelines are for protected harbors.

← Optional limit lines allow the ten foot elastic rode to stretch to twenty feet during very severe conditions. The optional limit lines are a maintenance item and recommended in open and unprotected locations.

10-ft

← Standard boats from 25 feet to 35 feet or 16-ton* rating for double 10-ft x 1.75 elastic rodes

← The hard trawl floats keep mooring components off the block and bottom. ECO-friendly is standard.

12-ft

Helix anchor, installation, and shipping are not included.

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*We have estimated from experience that a properly sized elastic mooring system for your boat will stretch the elastic mooring system 30% in severe weather. Our recommended 30% stretch is the long term life of elastic mooring systems. 100% or more stretch is allowed occasionally in extreme conditions. Your boat stands the best chance of surviving a hurricane by removing it from the water. Attaching your boat to a mooring is the next better option. The use of a professionally installed Hazelett Marine elastic mooring system will increase the chance your boat will survive severe weather conditions but, it is not a substitute for proper boat preparation. You should always follow your harbor master's hurricane preparation plan. Hazelett Marine warranty only covers the replacement of defective parts and material.

